

James K Utterback

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3797141/publications.pdf>

Version: 2024-02-01

16
papers

571
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of nanocrystals into strongly electronically coupled all-inorganic supercrystals. <i>Science</i> , 2022, 375, 1422-1426.	12.6	57
2	Nanocrystal-Based Active Photonics Device through Spatial Design of Light-Matter Coupling. <i>ACS Photonics</i> , 2022, 9, 2528-2535.	6.6	7
3	Nanoscale Disorder Generates Subdiffusive Heat Transport in Self-Assembled Nanocrystal Films. <i>Nano Letters</i> , 2021, 21, 3540-3547.	9.1	7
4	The Motion of Trapped Holes on Nanocrystal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9876-9885.	4.6	4
5	Nonequilibrium Thermodynamics of Colloidal Gold Nanocrystals Monitored by Ultrafast Electron Diffraction and Optical Scattering Microscopy. <i>ACS Nano</i> , 2020, 14, 4792-4804.	14.6	20
6	Electron Transfer from Semiconductor Nanocrystals to Redox Enzymes. <i>Annual Review of Physical Chemistry</i> , 2020, 71, 335-359.	10.8	27
7	Temperature-Dependent Transient Absorption Spectroscopy Elucidates Trapped-Hole Dynamics in CdS and CdSe Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2782-2787.	4.6	19
8	Quantum Efficiency of Charge Transfer Competing against Nonexponential Processes: The Case of Electron Transfer from CdS Nanorods to Hydrogenase. <i>Journal of Physical Chemistry C</i> , 2019, 123, 886-896.	3.1	24
9	Role of Surface-Capping Ligands in Photoexcited Electron Transfer between CdS Nanorods and [FeFe] Hydrogenase and the Subsequent H ₂ Generation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 741-750.	3.1	53
10	On the Nature of Trapped-Hole States in CdS Nanocrystals and the Mechanism of Their Diffusion. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3532-3537.	4.6	24
11	Trapped-Hole Diffusion in Photoexcited CdSe Nanorods. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16974-16982.	3.1	16
12	Relationships between Exciton Dissociation and Slow Recombination within ZnSe/CdS and CdSe/CdS Dot-in-Rod Heterostructures. <i>Nano Letters</i> , 2017, 17, 3764-3774.	9.1	43
13	Observation of trapped-hole diffusion on the surfaces of CdS nanorods. <i>Nature Chemistry</i> , 2016, 8, 1061-1066.	13.6	108
14	Competition between electron transfer, trapping, and recombination in CdS nanorod-hydrogenase complexes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5538-5542.	2.8	45
15	Temperature dependence of pressure broadening and shifts of acetylene at 1550 nm by N ₂ . <i>Molecular Physics</i> , 2011, 109, 2199-2208.	1.7	5
16	Conformation of self-assembled porphyrin dimers in liposome vesicles by phase-modulation 2D fluorescence spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16521-16526.	7.1	112